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of this hypothesis opens a new branch of the subject. Already, however, a positive step appears to have been made by *demonstrating* that in solids and liquids each molecule is acted on to a finite extent by those in its immediate neighbourhood.

Sir William R. Hamilton read a paper, "On some Transformations of Diverging Lines."

A collection of twenty-five ancient articles, consisting of bronze pins of several forms, the axis of a spinning bobbin, and two needles, all found near Gweedore, county of Donegal, were presented.

MONDAY, APRIL 26, 1858.

JAMES HENTHORN TODD, D. D., President, in the Chair.

J. BEETE JUKES, Esq., read a paper "On the Lower Palæozoic Rocks of the South-East of Ireland and their associated Igneous Rocks."

Rev. Professor Haughton read a paper on the same subject, and described certain minerals as abounding in these rocks, which had been hitherto unnoticed in common granites of Ireland.

The Secretary read a letter from the Chairman of the Local Committee at Baltimore, inviting the Members of the Academy to attend a Meeting of the American Association for the Advancement of Science, to be held in that city.

George V. Du Noyer, Esq., presented a series of drawings of antiquities, made by himself, from bronze and iron antiquities in the Museum at Rouen, in September last.

Fleetwood Churohill, M. D., on the part of Dr. Lockhart, presented five porcelain seals, collected by that gentleman during his residence in China. Two of them have inscriptions exactly the same as the seals Nos. 2 and 51 engraved in the late Mr. Getty's work on Chinese Seals found in Ireland.

The Secretary announced the presentation of a medal by the Royal Norwegian University of Christiania, struck in honour of Dr. Christopher Hansteen having completed a term of fifty years as Professor of Astronomy in that University.

MONDAY, MAY 10, 1858.

JAMES HENTHORN TODD, D. D., President, in the Chair.

REV. CHARLES GRAVES, D. D., read a paper "On a System of Imaginaries analogous to those employed by Sir William R. Hamilton in his Calculus of Quaternions."

The PRESIDENT read the following paper—

R. I. ACAD. PROC.—VOL. VII.

II